

Title (en)

Ferritic stainless steel and process for producing.

Title (de)

Ferritischer rostfreier Stahl und Verfahren zur Herstellung.

Title (fr)

Acier inoxydable ferritique et procédé de fabrication.

Publication

EP 0306578 A1 19890315 (EN)

Application

EP 87311012 A 19871215

Priority

US 9446187 A 19870908

Abstract (en)

A weldable ferritic stainless steel and a method for producing the same is provided wherein the steel consists of in weight percent, up to 0.03 carbon, up to 0.05 nitrogen, 10 to 25 chromium, up to 1.0 manganese, up to 0.5 nickel, up to 1.0 silicon, 0.03 to 0.35 titanium, 0.10 to 1.0 niobium, optionally up to 1.2 aluminum, the balance essentially iron, the amounts of titanium and niobium varying inversely and not more than necessary to satisfy specific thermodynamic equations and the method includes casting the steel into ingots or slabs without the precipitation of detrimental intermetallic or nonmetallic titanium compounds so that the hot-rolled band gauge, without grinding, can be cold rolled to final gauge sheet or strip free of open surface defects.

IPC 1-7

C22C 38/28; **C22C 38/26**

IPC 8 full level

C21D 8/02 (2006.01); **C22C 38/00** (2006.01); **C22C 38/26** (2006.01); **C22C 38/28** (2006.01)

CPC (source: EP KR US)

C21D 8/0205 (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/26** (2013.01 - EP US); **C22C 38/28** (2013.01 - EP US); **C22C 38/50** (2013.01 - KR)

Citation (search report)

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Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0306578 A1 19890315; **EP 0306578 B1 19920916**; **EP 0306578 B2 20020626**; AT E80670 T1 19921015; AU 600771 B2 19900823; AU 8138387 A 19890309; BR 8706954 A 19890328; CA 1326143 C 19940118; DE 3781798 D1 19921022; DE 3781798 T2 19930211; DE 3781798 T3 20021128; ES 2035087 T3 19930416; ES 2035087 T5 20021116; JP 2715082 B2 19980216; JP S6468448 A 19890314; KR 890005293 A 19890513; KR 950008377 B1 19950728; MX 164863 B 19920929; US 4834808 A 19890530; US 4964926 A 19901023

DOCDB simple family (application)

EP 87311012 A 19871215; AT 87311012 T 19871215; AU 8138387 A 19871119; BR 8706954 A 19871221; CA 553930 A 19871209; DE 3781798 T 19871215; ES 87311012 T 19871215; JP 33679187 A 19871228; KR 870015697 A 19871231; MX 990987 A 19871223; US 28488888 A 19881215; US 9446187 A 19870908